Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently amended) A method for intelligent audio output control, the method comprising:

receiving values for a set of input parameters;

receiving stored historical data, wherein the stored historical data comprises stored values for the set of input parameters and a stored audio output parameter value associated with the stored values for the set of input parameters, wherein the stored historical data comprises a plurality of data points, wherein each data point includes a value for each of the set of input parameters and the audio output parameter value associated with the set of input parameters;

predicting a value for an audio output parameter of an audio system based on the received values for the set of input parameters and the stored historical data; and

adjusting the audio output parameter for the audio system using the predicted value for the audio output parameter, wherein the step of predicting a value for an audio output parameter comprises one of receiving the plurality of data points and performing statistical analysis on the plurality of data points to predict the value for the audio output parameter; and identifying a closest data point within the plurality of data points and setting the predicted value for the audio output parameter to an audio output parameter value of the closest data point.

2.   (Previously presented) The method of claim 1, wherein the step of receiving values for a set of input parameters includes receiving values from one or more sensors.

3.   (Previously presented) The method of claim 1, wherein the set of input parameters includes at least one of vehicle speed, whether a vehicle window is open or closed, vehicle interior or exterior noise levels, whether a convertible top is up or down, whether a windshield wiper is in use, windshield wiper level, whether headlights are on, and global positioning system (GPS) coordinates.

4.   (Original) The method of claim 1, wherein the set of input parameters includes audio type.

5.   (Canceled)

6.   (Currently amended) The method of claim [[5]] 1, wherein the statistical analysis includes at least one of performing an average, performing linear regression analysis, performing multiple regression analysis, performing linear extrapolation, performing curve fitting, and removing outliers.

7.   (Currently amended) The method of claim [[5]] 1, further comprising:
        storing the values for the set of input parameters and the predicted value for the audio output parameter as a data point.

8.   (Canceled)

9.   (Canceled)

10.   (Original) The method of claim 1, wherein the audio output parameter is one of volume level, balance, fade, bass, treble, and equalizer settings.

11-21. (Canceled)